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Name: _____

Practice Problems

Period: _____ Date: _____

Form #412519202521

[Step-By-Step](#)[Answers](#)[Save this Test!](#) / [Turn Into a Puzzle or Board Game!](#)

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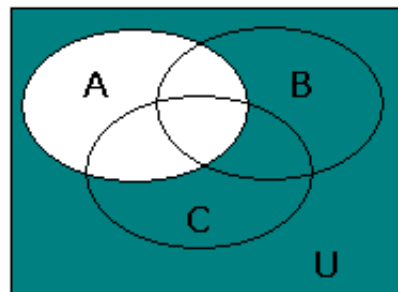
Solve:

- 1) $U = \{0, 1, 5, 6, 7, 8, 9, 14\}$ $A = \{0, 1, 8\}$.
 $B = \{7, 9\}$. $C = \{1, 5\}$.
 Find $C - A$

- 2) $U = \{0, 2, 3, 7, 8, 12, 14\}$ $A = \{0, 2, 7, 8, 12\}$.
 $B = \{2, 8\}$. $C = \{2, 7, 8\}$.
 Find A'

- 3) $U = \{4, 6, 7, 8, 9, 13, 15, 16\}$
 $A = \{6, 7, 13, 15\}$. $B = \{7, 8, 9, 15\}$. $C = \{8\}$.
 Find $A \cap C$

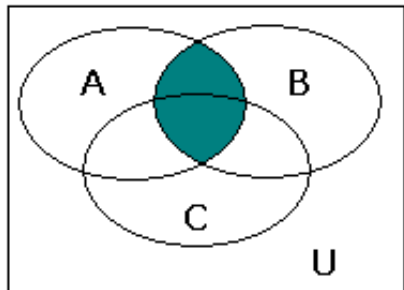
- 4) Define the following picture in symbol form:



- 5) $U = \{11, 13, 14, 17, 20, 21, 23\}$ $A = \{13\}$.
 $B = \{17, 20\}$. $C = \{13, 14, 23\}$.
 Find $A \cup B \cup C$

- 6) $U = \{0, 5, 7, 11, 13\}$ $A = \{7, 11\}$.
 $B = \{0, 7, 11, 13\}$.
 Find B'

- 7) Define the following picture in symbol form:



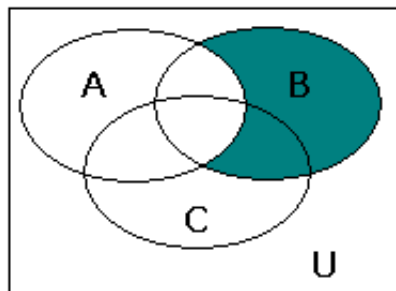
- 8) $U = \{1, 3, 7, 8\}$ $A = \{1\}$ $B = \{3, 8\}$.
Find $A \cap B$

- 9) $U = \{2, 3, 5, 6, 10\}$ $A = \{3, 5\}$ $B = \{2, 5\}$.
Find $A \cup B$

- 10) $U = \{12, 13, 14, 15, 16, 19, 21\}$
 $A = \{12, 13, 21\}$ $B = \{12, 15, 16\}$.
Find $A - B$

- 11) $U = \{18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31\}$ $A = \{18, 21, 23, 24, 26, 27, 31\}$.
 $B = \{19, 21, 24, 25, 26, 27, 28, 30\}$.
 $C = \{22, 23, 24, 25, 27, 28, 31\}$.
Find C'

- 12) Define the following picture in symbol form:



- 13) $U = \{11, 12, 14, 15, 23, 26\}$ $A = \{15\}$.

- 14) $U = \{19, 22, 23, 28, 35\}$ $A = \{19, 23, 35\}$.

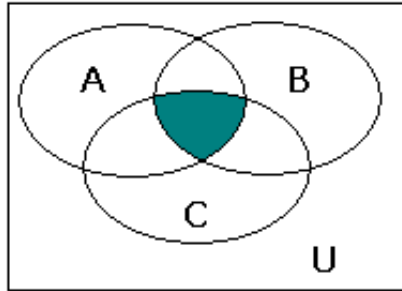
$$B = \{14, 26\}. C = \{12\}.$$

Find C'

$$B = \{23\}.$$

Find $A \cap B$

- 15) Define the following picture in symbol form:



- 16) $U = \{6, 7, 8, 15, 20, 21\}$ $A = \{6, 20\}.$

$$B = \{6, 7, 15, 20\}.$$

Find $A \cap B$

- 17) $U = \{14, 16, 18, 22, 24\}$ $A = \{16, 22\}.$

$$B = \{18\}.$$

Find $A \cap B$

- 18) $U = \{13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26\}$ $A = \{15, 16, 17, 19, 24, 25, 26\}.$

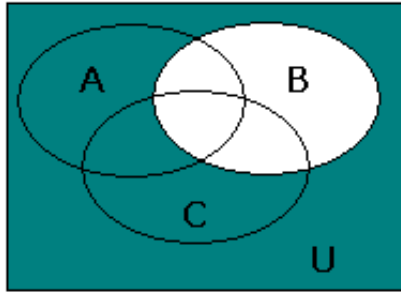
$$B = \{13, 15, 16, 18, 21, 22, 24, 25\}.$$

$$C = \{13, 16, 17, 20, 21, 24, 26\}.$$

Find A'

- 19) Define the following picture in symbol form:

- 20) $U = \{1, 5, 6, 8, 13\}$ $A = \{6, 8\}. B = \{1\}.$

Find $A \cap B$ 

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